

<b>DECLARATION/POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(c)) required)	<b>Attorney Docket Number</b>	18098
	<b>First Named Inventor</b>	Frank Liu
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	
	<b>Filing Date</b>	Herewith
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:  
My residence, mailing address, and citizenship are as stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS, METHODS AND ARTICLES OF MANUFACTURE FOR  
PRE-EMPHASIS FILTERING OF A MODULATED SIGNAL**

the specification of which

☒ is attached hereto  
OR  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International Application Number \_\_\_\_\_ and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designed at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

**DECLARATION – Utility or Design Patent Application**Direct all correspondence to: ☐ Customer Number or ☒ Correspondence address belowName **Driscoll A. Nina, Jr., Esquire**Address **Tyco Technology Resources**Address **4550 New Linden Hill Road—Suite 140**City **Wilmington**State **DE**Zip **19808-2952**Country **US**Telephone **(302) 633 3566**Fax **(302) 633 2776****POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Driscoll A. Nina, Jr.	Registration No. 34685
Robert J. Kapalka	Registration No. 34198
Michael J. Aronoff	Registration No. 37770
Salvatore Anastasi	Registration No. 39090
T. Daniel Christenbury	Registration No. 31750
Paul A. Tauser	Registration No. 35703
Frank A. Cona	Registration No. 38412
Darius C. Gambino	Registration No. 41472
James E. Bauersmith	Registration No. 50533

[x] I hereby appoint the practitioner(s) associated with Customer Number 035811 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

[ ] Attached, as part of this Declaration and Power of Attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

☐ A petition has been filed for this unsigned inventor

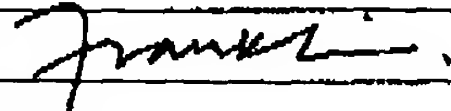
Given Name (first and middle [if any])

Frank

Family Name or Surname

Liu

Inventor's Signature



Date

9-15-2003

Residence/City: Princeton

State NJ

Country US

Citizenship US

Mailing Address: 18 Rocky Hill Road

Mailing Address:

City Princeton

State NJ

Zip 08540

Country US

[Page 2 of 2]